![Directed Electronics, Inc. logo — driven to excel]
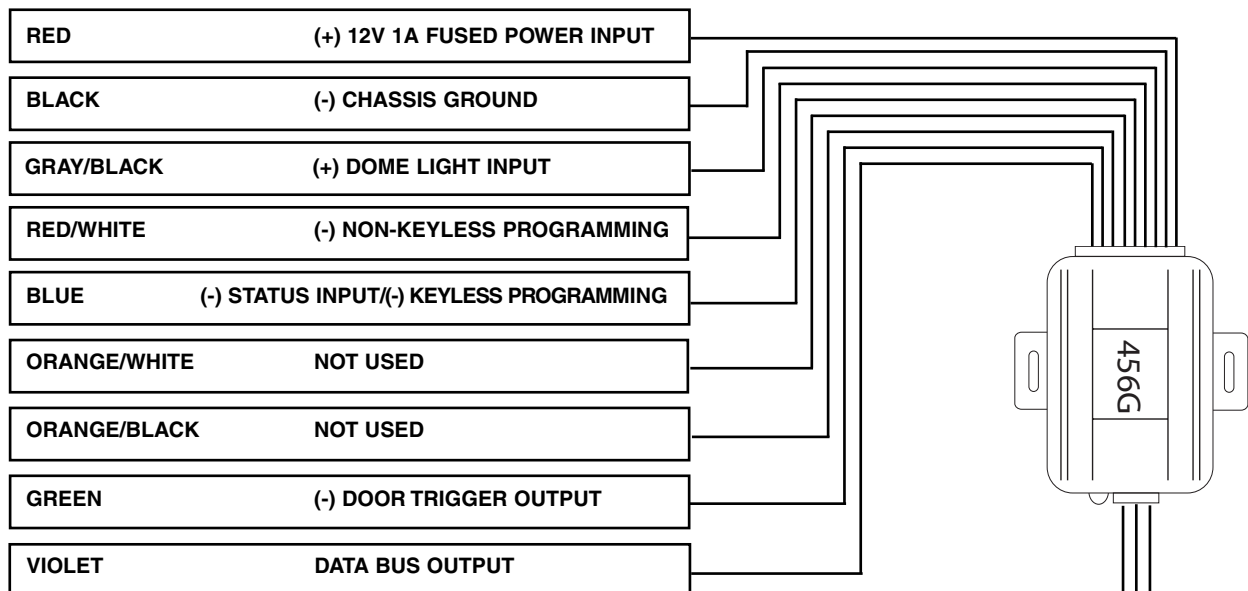
456G GM Full-Size Truck and SUV Interface

IMPORTANT! *Please read this installation guide thoroughly before installing the 456B. Use only a high quality digital multimeter for testing. This product connects to the vehicle's low voltage signal wire and improper installation or testing can result in damage to the vehicle. Never use a test light or logic probe to test wires in this vehicle!*

The 456G interfaces with specific GM full-size truck and SUV vehicles. It converts the signals from the keyless entry, alarm, or remote start into signals that can be understood by the vehicles factory Data Bus system. This allows for interfacing with various factory options such as factory alarms or driver's priority. The 456G also allows for smart dome light integration on some vehicle platforms.
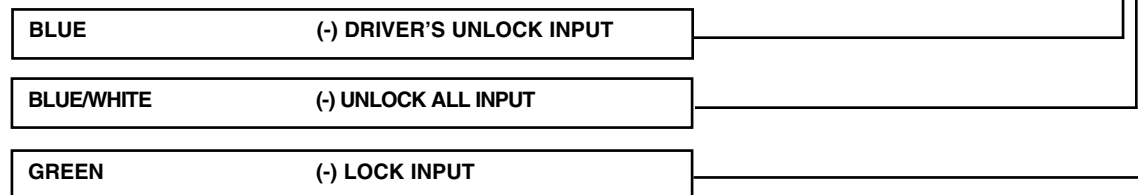
car list

MAKE	MODEL	YEAR
Cadillac	Escalade	2003, 2004
Chevrolet	Avalanche	2003, 2004
Chevrolet	C/K Pick Up	2003, 2004, 2005
Chevrolet	Silverado	2003, 2004, 2005
Chevrolet	Suburban	2003, 2004
Chevrolet	Tahoe	2003, 2004
GMC	Full Size Pickup	2003, 2004, 2005
GMC	Sierra	2003, 2004, 2005
GMC	Yukon	2003, 2004
GMC	Yukon Denali	2003, 2004
GMC	Yukon XL	2003, 2004
GMC	Yukon XL Denali	2003, 2004
Hummer	H2	2003, 2004

wiring diagram—main harness

RED	(+) 12V 1A FUSED POWER INPUT
BLACK	(-) CHASSIS GROUND
GRAY/BLACK	(+) DOME LIGHT INPUT
RED/WHITE	(-) NON-KEYLESS PROGRAMMING
BLUE	(-) STATUS INPUT/(-) KEYLESS PROGRAMMING
ORANGE/WHITE	NOT USED
ORANGE/BLACK	NOT USED
GREEN	(-) DOOR TRIGGER OUTPUT
VIOLET	DATA BUS OUTPUT

456G

wiring diagram—door lock harness

BLUE	(-) DRIVER'S UNLOCK INPUT
BLUE/WHITE	(-) UNLOCK ALL INPUT
GREEN	(-) LOCK INPUT

programming

NOTE: Unit comes programmed in keyless mode.

For non-keyless entry vehicles:

*NOTE: Use this procedure (steps 1–4) if the vehicle does **NOT** have factory keyless remotes, otherwise go to step 5.*

1. Connect the power, ground, and data wires before inserting the harness into the module.
2. Ground the RED/WHITE wire then insert the harness into the 456G module.
3. The door locks will cycle once for confirmation.
4. Disconnect the RED/WHITE lock input wire and tape the end of the wire.

For keyless entry

5. Connect the power, ground, and data wires before inserting the harness into the module.
6. Ground the BLUE status input wire, then insert the harness into the module.
7. Door locks will cycle twice for confirmation.
8. Disconnect the BLUE status input wire, and then connect it to the remote start output of the security system.

driver's door priority

The 456G will perform driver's door priority when in keyless mode. The first pulse on the unlock wire will unlock the driver's door and an additional pulse within five seconds will unlock the other doors. If driver's door priority is not desired, this can be done by switching the alarm to double pulse unlock or us the BLUE/WHITE wire for all door unlock. Unfortunately, non-keyless models do not have the driver's door priority option.